

What is claimed is:

- 5 1. Metallic material provided with a chromium-oxide passivation film comprising a passivation film consisting of chromium oxide obtained by oxidizing a chromium coat on the metallic material of which surface roughness (Ra) is not more than 1.5 $\mu$ m.
2. The metallic material provided with the chromium-oxide passivation film according to claim 1, wherein pin holes of said chromium-oxide passivation film are filled.
- 10 3. A method for manufacturing metallic material on which a chromium-oxide passivation film is formed, comprising the step of :
- forming the passivation film consisting of chromium oxide by applying heat treatment in an oxidizing atmosphere after coating chromium on metallic material of which surface
- 15 roughness (Ra) of a coat surface is not more than 1.5 $\mu$ m.
4. Parts contacting with fluid and a fluid supplying / exhaust system, comprising metallic material having a chromium-oxide passivation film according to claim 1.